

ABSTRACT

Water vapor is mixed to O₃ gas generated by an ozone generator of discharge type. The mixed fluid is cooled by a cooler, thereby impurities such as metals and nitrogen oxides
5 contained in the O₃ gas dissolve into condensed water. Subsequently, a gas-liquid separator separates the O₃ gas from the condensed water. Water vapor is mixed with the O₃ gas again. The mixed fluid passes through a metal trap composed of a container containing plural silicon chips as a metal
10 adsorbent, thereby to remove the remaining metals therefrom.